N-VIS® P PLUS™

VISCOSIFIER

Product Description
N-VIS® P PLUS™ viscosifier is a blend of polymers used to provide viscosity and filtration control in water-based DRIL-N® reservoir drill-in fluids. Together with BARACARB® or BARAPLUG® bridging agents, it can build drill-in fluids that afford high levels of protection of the reservoir formation while providing excellent cuttings transport capabilities. N-VIS P PLUS viscosifier can be used in all brines up to 11.8 lb/gal (1.32 SG) and up to 250°F (120°C).

Applications/Functions
» N-VIS P PLUS viscosifier is designed for application in drilling, completion, and workover operations, helps provide a shear thinning fluid viscosity at high rates of shear, an elevated solution viscosity under static conditions and superior filtration control.
» N-VIS P PLUS viscosifier when used with specially sized bridging/weighting particles, can reduce whole fluid and filtrate invasion into the productive zone and thereby minimize internal formation damage. Fluid compositions mixed with N-VIS P PLUS viscosifier can be used for the following applications:
  o Drilling into pay zone
  o Underreaming
  o Milling
  o Washing sand

Advantages
» Applicable in sea water, potassium chloride, sodium chloride, and sodium bromide solutions.
Note: Suitable composition can also be formulated in calcium chloride with brine densities up to 11.8 lb/gal (1.32 SG).
» Effective in well control applications when properly formulated because it forms a thin, ultra low permeable, readily removable filter cake that prevents solids and fluid invasion into producing formations.
» Polymer synergism helps provide thermally stable fluid rheological properties with improved suspension at downhole temperatures up to 250°F (120°C) with the addition of a pH buffer.

Typical Properties
» Appearance: Free-flowing white powder
» Solubility: Water Soluble

Recommended Treatment
Add 1.0-7.0 lb/bbl (2.9-20 kg/m³).

Packaging
N-VIS P PLUS viscosifier is packaged in 50-lb (22.7-kg) sacks.